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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO.  | CONFIRMATION NO. |
|-----------------|-------------|----------------------|----------------------|------------------|
| 10/532,344      | 09/02/2005  | David J. Kyle        | 08717.0012           | 1584             |
| 22852           | 7590        | 11/16/2006           |                      |                  |
|                 |             |                      | EXAMINER             |                  |
|                 |             |                      | BERTOGLIO, VALARIE E |                  |
|                 |             |                      | ART UNIT             | PAPER NUMBER     |
|                 |             |                      | 1632                 |                  |

DATE MAILED: 11/16/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

|                              |                   |              |  |
|------------------------------|-------------------|--------------|--|
| <b>Office Action Summary</b> | Application No.   | Applicant(s) |  |
|                              | 10/532,344        | KYLE ET AL.  |  |
|                              | Examiner          | Art Unit     |  |
|                              | Valarie Bertoglio | 1632         |  |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on \_\_\_\_\_.
- 2a) This action is **FINAL**.                            2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-43 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) \_\_\_\_\_ is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) 1-43 are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) All    b) Some \* c) None of:
    1. Certified copies of the priority documents have been received.
    2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) Notice of Informal Patent Application
- 6) Other: \_\_\_\_\_.

***Election/Restrictions***

Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 1-3, 15-17, 34-36 and 42, drawn to an aquaculturally-raised shrimp comprising an elevated DHA level and a method of making said shrimp using a feed comprising DHA and a method of using the shrimp to feed a human or non-human animal.

Group II, claim(s) 4-6 and 42, drawn to an aquaculturally-raised shrimp comprising an elevated level of carotenoids and a method of making said shrimp using a feed comprising carotenoids and a method of using the shrimp to feed a human or non-human animal.

Group III, claim(s) 7-11 and 42, drawn to an aquaculturally-raised shrimp comprising a flavor enhancer and a method of making said shrimp using a feed comprising bromophenols and a method of using the shrimp to feed a human or non-human animal.

Group IV, claim(s) 12-14, drawn to an aquaculturally-raised shrimp comprising lower levels of cholesterol.

Group V, claim(s) 18-22, drawn to an aquaculturally-raised organic shrimp fed a diet including hydrolyzed plant protein and microalgae.

Group VI, claim(s) 23-25, drawn to a shrimp feed comprising red rice yeast.

Group VII, claim(s) 26 and 30, drawn to a shrimp feed comprising DHA.

Group VIII, claim(s) 26, 31-33, 37 and 38 drawn to a shrimp feed comprising a carotenoid and a method of making shrimp using said feed.

Group IX, claim(s) 26-29 and 39-41, drawn to a shrimp feed comprising a bromophenol and a method of making shrimp using said feed.

The inventions listed as Groups I-IX do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

The inventions listed as Groups I-IX do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

Unity of invention between different categories of inventions will only be found to exist if the specific combinations of inventions are present. Those combinations include:

- 1) A product and a special process of manufacture of said product.
- 2) A product and a process of use of said product.
- 3) A product, a special process of manufacture of said product, and a process of use of said product.
- 4) A process and an apparatus specially designed to carry out said process.
- 5) A product, a special process of manufacture of said product, and an apparatus specially designed to carry out said process.

The allowed combinations do not include multiple products, multiple methods of using said products, and methods of making multiple products as claimed in the instant application, see MPEP § 1850. Groups I-V represent different products with distinct material compositions and uses. Groups I-V are drawn to different shrimp with elevated DHA levels (Group I), elevated carotenoid levels (Group II), elevated bromophenol levels (Group III), lower cholesterol levels (Group IV), organic shrimp fed plant protein or microalgae (Group V). Group VI is drawn to a feed comprising red rice yeast. Group VII is drawn to a feed comprising DHA that is not necessarily used to produce any of the shrimp of Groups I-V. Group VIII is drawn to a feed comprising carotenoids that is not necessarily used to produce any of the shrimp of Groups I-V. Group IX is drawn to a feed comprising bromophenols that is not necessarily used to produce any of the shrimp of Groups I-V.

Furthermore, PCT Rule 13.2 requires that unity of invention exists only when there is a shared or corresponding technical feature among the claimed inventions. There is no corresponding special technical feature among the groups. Groups I -V are directed to shrimp having different altered characteristics which are the differing special technical features of each invention. Groups VI -IX are drawn to shrimp feeds which lack a corresponding technical feature with Groups I-V.

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Valarie Bertoglio whose telephone number is (571) 272-0725. The examiner can normally be reached on Mon-Thurs 5:30-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ram Shukla can be reached on (571) 272-0735. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

*Valarie Bertoglio  
AV1632*